CONTENTS

NUMBER 1

J. R. RADFORTH: Miecsyslaw Gregory Bekker 1905–1989 1

J. Y. WONG: Passing of an era 3

W. SÖHNE: In memoriam, M. Gregory Bekker 7

A. SOLTYNSKI: To the memory of Prof. Dr M. Gregory Bekker 9

Technical Articles

T. MURO: Wear rate characteristics of heavy dump truck tyres 11

P. A. DUDZIŃSKI: Design characteristics of steering systems for mobile wheeled earthmoving equipment 25

P. BOONSINSUK, G. J. IRWIN, R. N. YONG and F. CAPORUSCIO: Preconditioning of deep snowpack for off-road vehicle mobility . . 83

Summaries

French 101

German 102

Announcements 105

NUMBER 2

Technical Articles

B. F. JAKOBSEN and A. R. DEXTER: Prediction of soil compaction under pneumatic tyres. . 107

T. C. THAKUR and R. J. GODWIN: The present state of force prediction models for rotary powered tillage tools 121

A. T. ABEBE, T. TANAKA and M. YAMAZAKI: Soil compaction by multiple passes of a rigid wheel relevant for optimization of traffic . . 139

S. K. UPADHYAYA, D. WULFSOHN and G. JUBBAL: Traction prediction equations for radial ply tyres 149

I. WÄSTERLUND: Strength components in the forest floor restricting maximum tolerable machine forces 177

CONTENTS (continued)

Book Review	Tractors and their power units, by LILJEDAHL, TURNQUIST, SMITH and HOKI, Reviewed by R. D. WISMER	183
Summaries	French	185
	German	187
	Announcements	191

NUMBER 3/4

Technical Articles	ZENG DECHAO, ZHU YONGHUA and ZHOU YIMING: A mathematical model for sideways overturning performance of tractor and trailer combinations	193
	J. A. LINES and N. A. YOUNG: A machine for measuring the suspension characteristics of agricultural tyres	201
	CHANG-DE ZHANG and SHIN-MIN SONG: Gaits and geometry of a walking chair for the disabled	211
	V. M. SALOKHE, G. RAJARAM and D. GEE-CLOUGH: Limitations of passive earth pressure theory for cage wheel lug and tine force predictions	235
	T. MURO: Tractive performance of a bulldozer running on weak ground	249
Technology Showcase	V. M. SALOKHE and D. GEE-CLOUGH: Applications of enamel coating in agriculture .	275
Technical Note	K.-J. MELZER: Don't forget the update! . .	287
Summaries	French	289
	German	291